PROJECT facts
U.S. Department of Energy
National Energy Research Laboratory

Materials and Advanced Metallurgical Research
11/2001

Corrosion Protection of Ultra-High-Temperature Intermetallic Alloys

Project Lead
Oak Ridge National Laboratory (ORNL)
Oak Ridge, TN

Description
The objective of this project is to develop techniques to attain corrosion protection of ultra-high temperature alloys. These alloy systems include Laves-phase strengthened Cr-Ta alloys and Mo-Si alloys. The primary approach is the modification of the alloy to yield a surface reaction at temperature and with the environment such that corrosion protection is afforded to the alloys.

Duration: 10/1/97 - 9/30/01

Product Support Areas

Gasification Technologies	Combustion Technologies	Sequestration	Environmental & Water Resources	Advanced Turbine & Engines	Fuel Cells
✓	✓			✓	

Project: FEAA07C
Code: ORNL-1D

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